

Title (en)

Apparatus for measuring conductivity, pH and dissolved oxygen

Title (de)

Vorrichtung zum Messen der Leitfähigkeit, des pH-Wertes und des Gehalts an gelöstem Sauerstoff

Title (fr)

Appareil de mesure de la conductivité, de la teneur en oxygène dissous, et du pH

Publication

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Application

EP 99106113 A 19980116

Priority

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Abstract (en)

[origin: EP0857968A1] Described is an apparatus for measuring at least two items of dissolved oxygen, conductivity, and pH which can eliminate mutual interferences and influences and can accurately measure pH, conductivity, and dissolved oxygen when at least two items of the dissolved oxygen probe (1), conductivity probe (21), and pH probe (8) are immersed in the same sample. In one embodiment, the apparatus is designed to isolate said pH probe (8) from the reference potential when the dissolved oxygen is measured and to isolate the dissolved oxygen probe (1) from the reference potential with the electrodes short-circuited in this isolated dissolved oxygen probe (1) when pH is measured. In a second embodiment, the conductivity probe (21) is isolated by means of a switching circuit which includes an operating amplifier (27) which overcomes resistance when the switch is turned on. <IMAGE>

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